

METHOD AND SYSTEM FOR AUTOMATIC CONCATENATION OF
SYNCHRONOUS OPTICAL NETWORK (SONET) CHANNELS

ABSTRACT OF THE DISCLOSURE

A method and system for automatic concatenation of synchronous optical network (SONET) channels includes receiving at a network element a SONET frame including a
5 mandatory overhead and a plurality of channels for a bundled connection. A signal configuration of the channels in the bundled connection is automatically determined based on the mandatory overhead. The network element is automatically provisioned to cross-connect the
10 channels in the bundled connection based on the signal configuration determined from the mandatory overhead.